

PHENIX WEEKLY PLANNING



11/3/2011

Don Lynch

TECHNICAL SUPPORT

This Week

- Complete RPC1 North QA testing, begin commissioning
- Continue installing MuTr station 2 & 3 North work platforms in MMN - Done
- Begin installing MMS station 2/3 work platforms - Done
- VTX repairs/upgrades/reassembly continues
- FVTX assembly continues - Start west pre-survey in Chemistry
- FVTX rack assembly continues
- Continue FVTX/VTX Integration
- Install BBC North - Done
- MPC North troubleshooting
- Remove Station 1 north scaffolding
- Re-install BBC rack
- Move CM North, ready to start RPC1S installation
- Continue design and procurement for RPC3 shielding, Hodoscope, AH Crane upgrade & repairs, and R134A shed

Next Week

- Continue RPC1 N commissioning
- Start MuTr station 2 & 3 North terminators & Clamp-on re-capacitors in MMN
- Start MuTr station 2 & 3 South Clamp-on re-capacitors in MMS
- VTX repairs/upgrades/reassembly continues
- Continue FVTX/VTX integration and survey
- FVTX rack assembly continues
- Move CM north
- Install scaffolding in south station 1
- Prep BBC south cables for RPC1S nstallation
- Begin RPC1 South installation
- MPC South troubleshooting
- BBC South installation
- Continue design and procurement for RPC3 shielding, Hodoscope, AH Crane upgrade & repairs, and R134A shed
- Friday 11/11/11 is Veteran's Day, a Lab holiday

TECHNICAL SUPPORT 2011

- Remaining Work Permits needed: End of Shutdown WP 11/23
- South BP protection Design Done
- Reinstall BBC North Done
- MPC N troubleshooting Done
- CM alignment stops 11/14
- Reinstall BBC South 11/14
- MPC S troubleshooting 11/21
- Upgrade AH crane 10/15-11/30
- DC/PC1 East/West troubleshooting as required 10/8-11/15
- Undefined detector subsystem maintenance and repairs 7/25-11/7
- RPC3 Shielding 11/21
- RPC Hodoscope 11/21
- Prep for EC roll in, reinstall MMS lampshade 11/28-12/2
- Roll in EC 12/5
- Prep IR for run 12/5-12/9
- VTX, FVTX and RPC1 Services and QA tests 9/16-11/30
(including 4 new racks)
- BP Survey (initial survey done, next after CM moved north,
final after VTX/FVTX installed 10/17-12/12
- EC prep & roll-in, IR run prep, Pink/Blue/White sheets 12/5-12/23
- New and upgraded full detector commissioning 9/15-1/16/2012
- Run 12 cooldown 1/17/2012

- VTX pixel/strip pixel repairs 11/9
- VTX re-assembly 11/11
- VTX QA tests 11/11
- VTX (w/o FVTX) survey 11/11
- FVTX procurement & Assembly 11/4
- FVTX QA tests 11/4
- VTX+FVTX integration to start 10/31
- Final VTX+FVTX Integration & Survey in Chem Lab 11/11
- VTX+FVTX move to 1008 11/14-11/21

- VTX/FVTX Installation at 1008
 - Build 2 FVTX racks 7/1-11/11
 - Install VTX/FTX, Re-connect VTX services, Install FVTX services, survey and QA tests 11/14-11/30
 - VTX/FVTX Commissioning & Contingency 11/23-1/16/2012
 - Chiller leak/contamination improvements 11/30

VTX Status

- West Side:
 - Big Wheels are reattached- Last wheel today
 - Testing of Barrel 1 complete
 - Testing of Barrel 0 in progress- Complete tomorrow
- East Side
 - Re-bond effort at instrumentation complete, power shorts being worked on.
 - East side Pixel Barrel 1 to be reassembled with 7 ladders
 - 3 replacement ladders: 1 new, 2 class II
 - Assembly will start tomorrow
 - 1 week for assembly and testing including pressure testing of East Pixel Barrels.

MuTr North Station 1 work

- Clean/install new parts and upgrades (MuTr (3 weeks, At RPC Factory) Done
- Re-install chambers and FEE plates (1 week) Done
- Re-install north section of bridge Done
- Re-cable, re-hose and test (3 weeks) Done
- Move CM north 11/7

MuTr Station 2 N (from sta 1 side) terminators and Dry air header mod

- Station 2 Maintenance/upgrade through access opened by station 1 removal Done

MuTr North & South Station 2 & 3 Re-cap clamps

(No internal work platforms to upper octants)

- Install new capacitor clamps and terminators in lower octants (In Progress)
7/25-12/31
- Re-install MMS east vertical lampshade 11/28-12/2

RPC Tasks

- Assembly at QA tests at RPC Factory **Done**
- Build 1 new rack, upgrade existing RPC1 prototype rack **Done**
- Install north RPC1 (including both racks & services) **Done**
- RPC1 North HV Tests, gas system calibration **9/23-11/6**
- Move Station 1 work platforms to south station 1 **11/7**
- Install south RPC1 **11/7-11/23**
- Remove all scaffolding and hanging platforms **12/5**
- RPC1 north and south commissioning **9/6-12/5**
- RPC3 HV Distribution modifications, gas distribution modifications, PS calibration HV and services testing **7/1-12/5**

TECHNICAL SUPPORT ZONE

- RPC1
 - HV Cables *Installation in progress*
 - Signal cables *Installation in progress*
 - LV cables *Installation in progress*
 - Racks
 - Assembly *Done*
 - Install on bridge *Done*
- RPC3 additional HV boxes *Ready for installation*
- FVTX
 - Bias cables *pigtails are Here; extensions due next week*
 - LV cables *Wedge cables are here, dist to mapper due next week ROC LV Cables to be terminated in-house*
 - Fiber *Control & trunk fibers and patch bays ready*
 - Mapper boards *ready to install*
 - CMT3 and CMT4 FVTX racks
 - Assembly *11/11*
 - Install on bridge *11/4*
- VTX Modify thermocouple connections *Design & procurement done, programming needed, ready for installation*
- PC Board Designs
 - PbSc terminator board production *here*
 - New LV Dist front panels *here*
 - GL1 6X1 Multiplexer assemblies *design finished, quotes are in*
 - New MPC junction board *prototype in layout phase*
 - Dual SVX board for E. Kistenev *next in line*
- West carriage ADAM system performance upgrade *2 new Modbus servers under test in 1008*
- LeCroy HV control retrofit testing *Still Waiting for doc. from Debrecen Inst*

Miscellaneous Gas & Cooling System Tasks

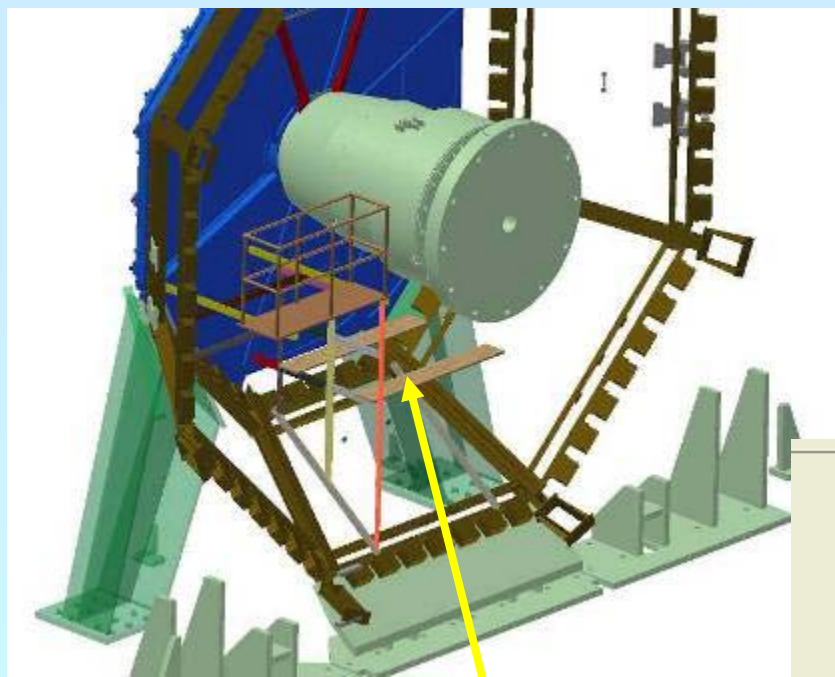
- Redo bypass line on VTX/FVTX spare chiller to remove kink 7/1-12/31
- Move RPC R134A tanks nearer to GMH, install cover, insulated lines 7/1-12/31
- Replace MuTr flowmeters (north and south) north done south by - 12/31

TECHNICAL SUPPORT NO. 1

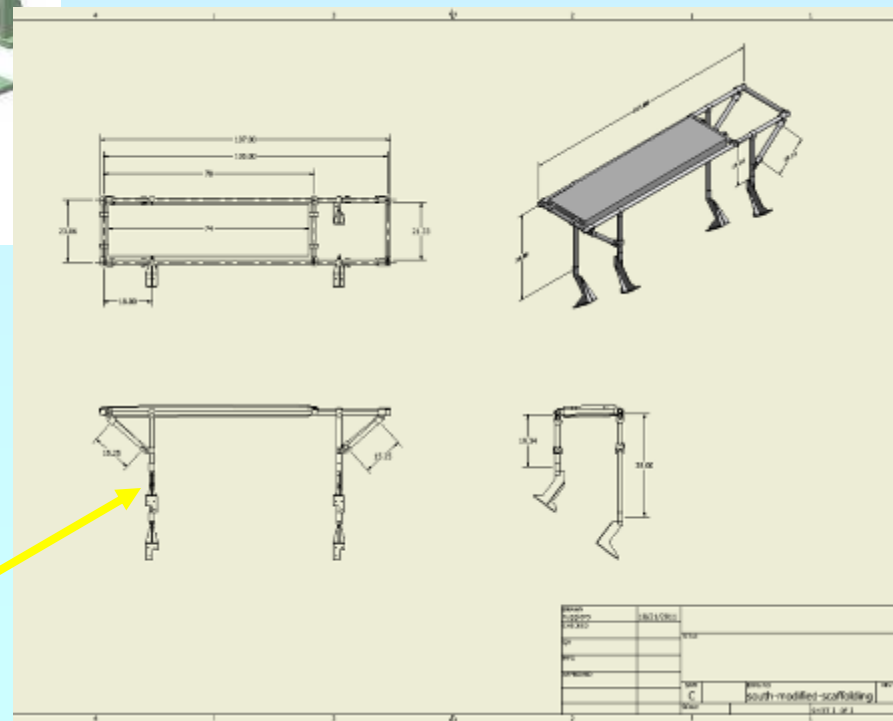
TECHNICAL SUPPORT NO--



Station 2/3 S/N Access

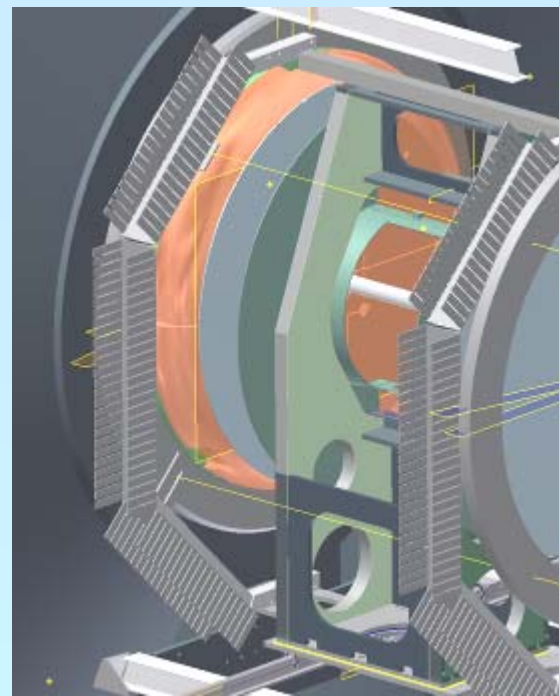


North Magnet Platform

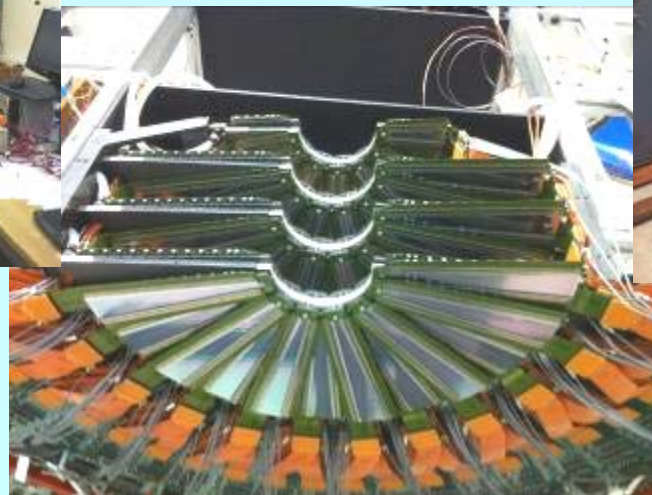


South Magnet Platform





VTX/FVTX





Infrastructure Issues

- Roof leaks in utility bathroom at northwest corner behind tech offices, over door between rack room and assembly hall, over door between control room and elect. ass'y room, southeast corner of IR and laser room.

- Flooding in AH/ Driveway heaving



- Electronics test/assembly room-to-parking lot door (does not open/close/lock properly - needs to be replaced)



1. Training: Latest training review sent to tech staff.

JTA's - only a few
Required - renew if needed
Due in next 2 months

2. In FY11, **23%** of all BNL injuries were due to slips, trips, or falls. Most of these were related to icy and slippery conditions. Use common sense approaches to prevent these injuries. Choices like proper footwear, choosing a safe route to walk, holding onto the car door when exiting the vehicle, and walking with your hands free can make a big difference in the number of folks injured by falls.

Footwear choices are especially important. For example BNL is currently investigating an incident involving an employee who fell on the stairs resulting in a twisted ankle and lost time from work. This person was wearing flip flops, which contributed to the fall. During any time of year, this type of footwear, even in an office environment, is inappropriate.

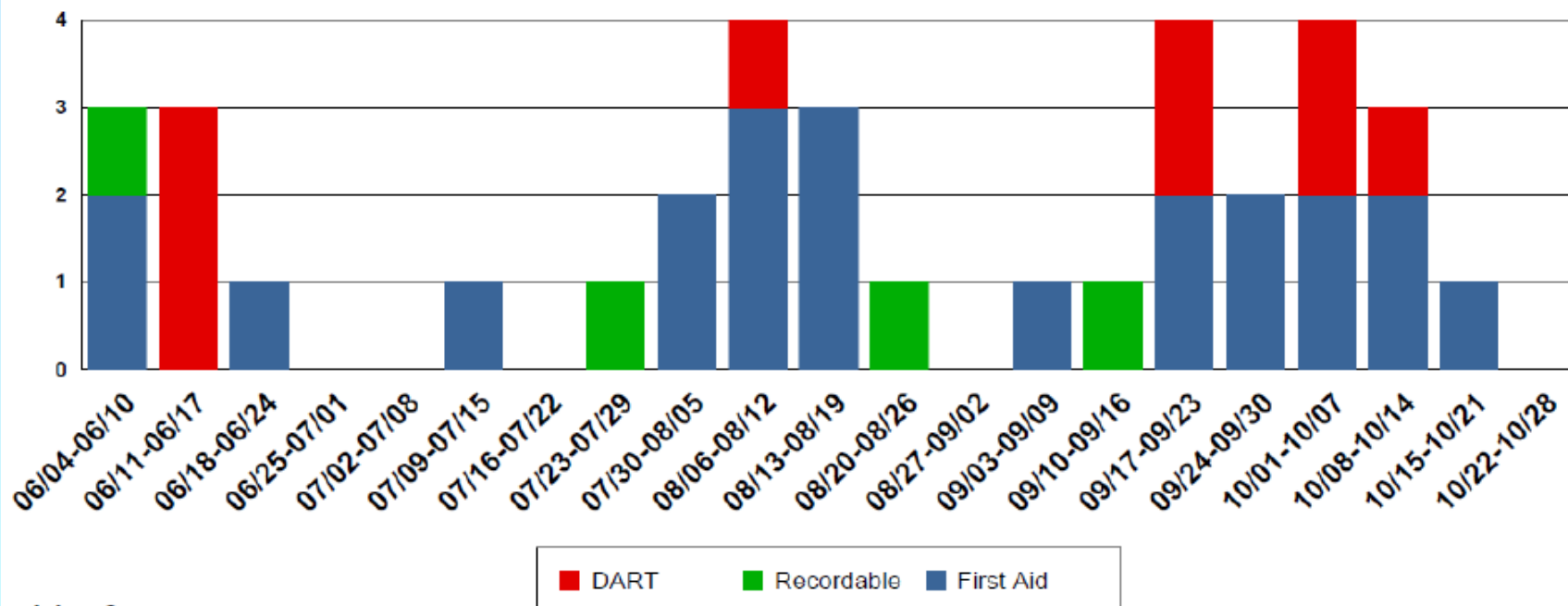
You can reduce winter and other slipping hazards by buying shoe covers at the following websites. Make sure that you only use the covers in the areas that they are intended for as described at the website. Use your group account to order: <http://www.jordandavid.com/>
or

<http://yaktrax.com/>

Corrective actions determined



Injuries Per Week As of 10/28/11



Injury Status:

FY12: DART – 3, TRC – 3, First Aid – 5

FY11 YTD: DART – 27, TRC – 43, First Aid – 43

Recent Injuries

10/19/11	First Aid	Employee was exposed to chemical odor. At the OMC, he was examined and received first aid.
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Where To Find PHENIX Engineering Info



Links for the weekly planning meeting slides, archives of past meeting slides, long term planning, pictures, videos and other technical info can be found on the PHENIX Engineering web site:

http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm

